

RAPID CHARGER

BC-15

INSTRUCTION MANUAL

KENWOOD

KENWOOD CORPORATION

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92/12 11 10 9 8 7 6 5 4 3 2 1 91/12 11 10 9 8 7 6 5 4 3 2 1

■ INSTRUCTION MANUAL

Notice to the user:

One or more of the following statements may be applicable to this equipment.

FCC Warning:

This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

Information to the digital device user required by the FCC:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can generate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technical assistance.

BEFORE APPLYING POWER

IMPORTANT!

Units shipped to the U.S.A. and Canada are designed for operation on 120 V AC only.

Units shipped to the Europe are designed for operation on 230 V AC only.

Units shipped to the U.K. and Australia are designed for operation on 240 V AC only.

All other countries —

Check the rating label indicated on the rapid charger.

WARNING!

TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

For United Kingdom

The mains plug must be removed from the wall socket prior to any internal examination.

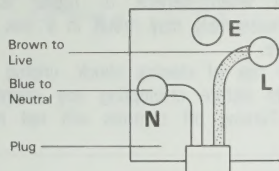
Important

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

The wires in this mains lead must be connected to the terminals in the plug as follows:

Wire colour	Plug terminal marking
Blue	N or Black
Brown	L or Red



Notes:

- 1) If a 13-amp plug is used, this must be fitted with a 5-amp fuse.
- 2) If a 3-pin plug with earthing contact is used, no wire must be connected to the E terminal.

■ IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

1. This manual contains important safety and operating instructions for rapid charger MODEL BC-15.
2. Before using the BC-15, read all instructions and cautionary markings on the BC-15, battery, and product using battery.

3. CAUTION

- To reduce risk of injury, charge only Nickel Cadmium type rechargeable batteries PB-13 and PB-14. Other types of batteries may burst causing personal injury and damage.
4. Do not expose the BC-15 to rain or snow.
 5. Use of an attachment not recommended or sold by KENWOOD may result in a risk of fire, electric shock, or injury to persons.
 6. To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
 7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
 8. An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure;
 - a. That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
 - b. That extension cord is properly wired and in good electrical condition; and
 - c. That wire size is large enough for the BC-15.
For cord length within 100 feet or less, the wire size should be not less than 18 AWG.
For cord length within 150 feet or less, the wire size should be not less than 16 AWG.
 9. Do not operate the BC-15 with damaged cord or plug—replace them immediately.
 10. Do not operate the BC-15 if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
 11. Do not disassemble the BC-15; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
 12. To reduce risk of electric shock, unplug the BC-15 from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.

CAUTIONS

1. To prevent damage to the battery and / or poor charge performance, turn the transceiver's power switch off before attempting to charge the battery while it is attached to the transceiver.
2. Place the charger as far away from any indoor antennas as possible, to reduce the chance of any interference.

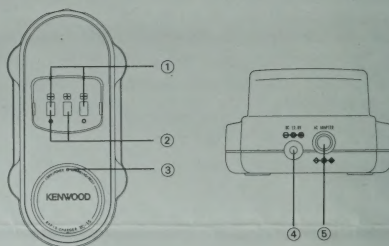
SPECIFICATIONS

1. CHARGE TEMPERATURE RANGE: 5°C ~ 40°C (41°F ~ 104°F)
2. RECHARGING TIME (When fully discharged): Approx. 1 hour
3. POWER REQUIREMENT: 13.8 VDC nominal (MAX. 3A)

ACCESSORIES

AC adapter		1 ea.
for U.S.A. and Canada version	W09-0575-XX	
for Europe version	W09-0576-XX	
for U.K. version	W09-0577-XX	
for Oceania version	W09-0578-XX	
for Other market	W09-0579-XX	
Holder	J30-0573-08	1 ea.
WARRANTY CARD (U.S.A. version only)		1 ea.
INSTRUCTION MANUAL	B62-0052-XX	1 sheet

■ OPERATING CONTROLS



① Terminal for charging PB-13.

② Terminal for charging PB-14.

③ INDICATOR

RED : This indicator is RED when the battery is charging.

GREEN : This indicator is GREEN when charging has been completed.

④ DC IN terminal

This terminal is used for an external power supply. Input voltage is 13.8 V DC nominal (MAX 3A).

The center is the + side and the sleeve is — side.

Connect the BC-15 to the external power supply by using the optional (PG-2W) DC cord.

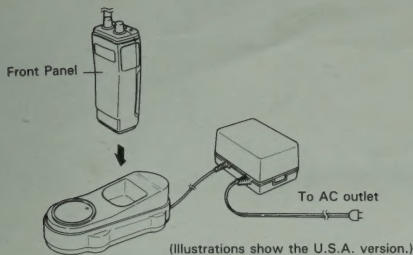
⑤ AC ADAPTER terminal

This terminal is used for an AC adapter.

■ OPERATING INSTRUCTIONS

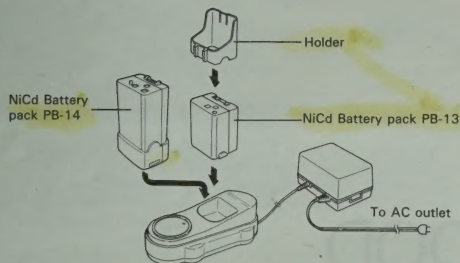
CHARGING

1. Plug the AC cord into an AC outlet.
2. Interconnect the DC plug to the AC ADAPTER terminal.
3. (1) Charging with the battery attached to the transceiver.
Turn the transceiver's power switch off.
Inserting the transceiver into the charger.



(2) Charging the battery alone.

Fit the NiCd battery with the holder before inserting the pack into the charger (except for PB-14).

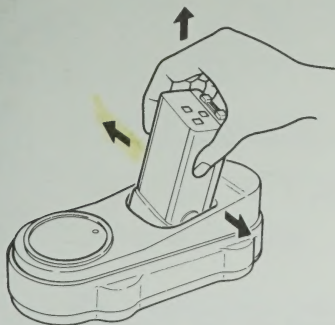


4. If the battery has been properly inserted into the charger the INDICATOR will turn RED, signaling proper operation.

→ (The INDICATOR will light depending on the residual charge on the battery.)

5. When the battery has reached full charge the INDICATOR will change to GREEN. It will require approximately 1 hour for this to occur.

6. Tilt the battery as shown and pull out it from the charger.



7. Disconnect AC adapter from an AC outlet after the battery has reached full charge.

CAUTIONS

1. The BC-15 is for charging the battery only. Do not attempt to operate the radio while it is inserted into the charger and the power switch is turned ON.
2. For operator safety, do not charge the transceiver in the mobile.
3. For this product use the attached AC adaptor (conforming to EIAJ. with plug of unified polarity type). Use of other AC adaptor may induce troubles.

MAINTENANCE INSTRUCTIONS

1. Do not use the BC-15 in high-temperature or high-humidity environments, in direct sunlight, or near a heater.
2. Do not subject the BC-15 to undue vibrations or impact.
3. Make sure that the NiCd battery pack, the BC-15, and the power source are properly installed and connected.
4. Clean both terminals of the NiCd battery packs and the BC-15 with a soft cloth before charging.
5. NEVER USE SOLVENTS SUCH AS THINNER AND BENZINE FOR CLEANING.

Note If battery is completely discharged LED may not lite.

If so use SIO charger (P.B. (P.B.14)) Then after a few minutes use fast charger (P.B.15)

MAINTENANCE INSTRUCTIONS

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- Reorient or relocate the receiving antenna.
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- Consult the dealer for technical assistance.

5. Discontinue charging after the battery has been fully charged. If continuously charged, battery performance will degrade.
6. Do not expose the pack to water or fire, or attempt to open it.
7. Do not drop the pack; excessive shock will degrade battery performance.
8. When the pack is not use, remove it from the equipment and store the battery in a cool, dry place to avoid premature discharge.
9. Replace the battery pack with a new one when the operating time of the completely charged battery pack has noticeably shortened. (useful life in charge/discharge cycles: approx. 500)
10. Pay close attention that the battery terminals are not allowed to short circuit.

SPECIFICATIONS

1. VOLTAGE ; 12. VDC
2. CAPACITY ; 300 mAh
3. RECHARGING TIME (When fully discharged);

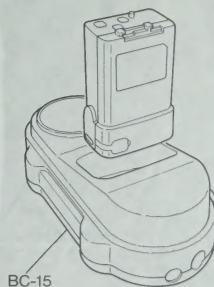
BC-15	Approx. 1 hour
BC-14	Approx. 15 hours
PG-3F	Approx. 15 hours(※1)
PG-2W	Approx. 15 hours(※1)

※1 It is possible to charge the battery pack while it is ON or OFF the radio.

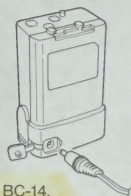
The battery pack can not be charged from transceiver's DC IN terminal.

CAUTION

Clean the terminals of the charger and the PB-14 with a soft cloth before charging.



BC-15

BC-14,
PG-3F
or
PG-2W

4. CHARGING TEMPERATURE RANGE;
5°C~40°C (41°F~104°F)
5. POWER REQUIREMENT;
11.5VDC~16VDC (DC IN TERMINAL)

1. This rechargeable nickel-cadmium battery is designed exclusively for use with KENWOOD transceivers. Use the battery pack only with that equipment whose instruction manual recommends its use. To prevent possible damage do not attempt to use the pack with other types of transceiver or chargers.
2. The pack is not charged at the factory. Charge the pack before use.
3. If after purchase or extended storage, the battery capacity is found to be low, repeat the charge/discharge cycles 2 or 3 times to restore the battery to its full capacity.
4. Recharge the battery at ambient temperatures of 5°C~40°C (41°F~104°F).

